

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings of claims in the Application.

1. (currently amended) A press comprising:

an upper platen and a heated lower platen that are selectably movable toward and away from each other for conformally but nondeformingly receiving an air handling unit vessel therebetween so that vessel surfaces in conformal contact with the upper platen and the lower platen remain substantially undeformed while the vessel is filled with a pressurized material;

wherein the heated lower platen heats a portion of the vessel to at least a predetermined temperature; and

wherein the upper platen comprises at least two movable portions that are hingedly connected and configured to apply a conformal pressure to the surfaces of the roof assembly in contact with the upper platen with a force insufficient to deform the roof assembly surfaces while applying a reactive force to the surfaces of the roof assembly in contact with the upper platen while the vessel is filled with a pressurized material.

2. (original) The press of claim 1, wherein the vessel is a roof assembly.
3. (original) The press of claim 2, wherein surfaces of the roof assembly in conformal contact with the upper platen and the lower platen are non-parallel.
4. (original) The press of claim 1, wherein the vessel is an angled roof assembly.
5. (canceled)
6. (original) The press of claim 1, wherein the heated lower platen is heated by heated fluid.
7. (original) The press of claim 1, wherein the heated lower platen is heated by heating elements.

8. (previously presented) The press of claim 1, wherein the pressurized material is a foam material.
9. (previously presented) The press of claim 8, wherein the heated lower platen sufficiently heats a portion of the vessel to promote substantially uniform expansion and curing of the foam within the vessel.
10. (previously presented) The press of claim 8, wherein the heated lower platen sufficiently heats a portion of the vessel to promote bonding between the foam and the heated portion of the vessel.
11. (previously presented) The press of claim 1, wherein the heated lower platen temperature is less than the flash point temperature of the pressurized material.
12. (cancelled)
13. (cancelled)
14. (previously presented) The press of claim 1, wherein one of the at least two movable portions may be rotated independently of the remaining portions of the at least two movable portions.
15. (previously presented) The press of claim 1, wherein a graduated indicator having at least one graduated indication corresponding to a feature of the vessel is used to position the at least two movable portions.
16. (original) The press of claim 15, wherein the feature of the vessel is the length of the vessel.
17. (original) The press of claim 1, further comprising a plurality of rollers extending through the lower platen for receiving the vessel between the upper platen and the lower platen.
18. (previously presented) The press of claim 1, further comprising at least one device associated with a hinged connection to selectively prevent rotational movement in a predetermined direction of one of the at least two movable portions.
19. (original) The press of claim 18, wherein the at least one device is a cam.

20. (original) The press of claim 19, wherein the cam is selectively actuated by at least one actuator.
21. (canceled)
22. (canceled)
23. (canceled)
24. (canceled)
25. (canceled)
26. (canceled)
27. (canceled)
28. (canceled)
29. (canceled)
30. (currently amended) A press comprising:
- an upper platen comprising at least two movable portions and a heated lower platen that are selectably movable toward and away from each other for conformally but nondeformingly receiving a vessel therebetween so that vessel surfaces in conformal contact with the upper platen and the lower platen remain substantially undeformed while the vessel is filled with a pressurized material, the at least two movable portions are hingedly connected and configured to apply a conformal pressure to the surfaces of the roof assembly in contact with the upper platen with a force insufficient to deform the roof assembly surfaces while applying a reactive force to the surfaces of the roof assembly in contact with the upper platen while the vessel is filled with a pressurized material and one of the at least two movable portions may be rotated independently of the remaining portions of the at least two movable portions; and
- wherein the heated lower platen heats a portion of the vessel to at least a predetermined temperature.

31. (currently amended) A press comprising:

an upper platen comprising at least two hingedly connected movable portions and a heated lower platen that are selectably movable toward and away from each other for conformally but nondeformingly receiving a vessel therebetween so that vessel surfaces in conformal contact with the upper platen and the lower platen remain substantially undeformed while the vessel is filled with a pressurized material by applying a conformal pressure to the surfaces of the roof assembly in contact with the upper platen with a force insufficient to deform the roof assembly surfaces while applying a reactive force to the surfaces of the roof assembly in contact with the upper platen; and

wherein the heated lower platen heats a portion of the vessel to at least a predetermined temperature.